

PROIZVOLOV, V.V.

Power of the base of an H-closed space. Dokl. AN SSSR 154 no.1:
55-56 Ja'64. (MIRA 17:2)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavлено akademikom P.S. Aleksandrovym.

PROIZVOLOV, V. V.

Properties of compaction of Hausdorff spaces. Vest. Mosk. un.
Ser. 1: Mat., mekh. 18 no.1:40-42 Ja-F '63.
(MIRA 16:1)

1. Kafedra vysshey geometrii i topologii Moskovskogo
universiteta.

(Topology)

PROIZVOLOV, V. V.

Note on uniformly homeomorphic imbeddings in Euclidean
spaces. Vest. Mosk. un. Ser. 1: Mat., mekh. 18 no.1:39
Ja-F '63. (MIRA 16:1)

1. Kafedra vysshey geometrii i topologii Moskovskogo universi-
teta.

(Topology)

PROIZVOLOV, V.

Point power and integral power of systems of subsets in topological
space. Dokl. AN SSSR 161 no.2:296-299 Mr '65.

l. Moskovskiy gosudarstvennyy universitet. Submitted October 24,
1964. (MIRA 18:4)

PROIZVOLOV, V.

Condensations of completely regular spaces. Dokl. AN SSSR
147 no.4:787-788 D '62. (MIRA 16:1)

1. Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova.
Predstavлено академиком P. S. Aleksandrovym.

(Spaces, Generalized)

PROIZVOLOV, V.V.

Dimensionality of perfectly regular spaces [with summary in English]. Vest. Mosk. un. Ser. 1: Mat., mekh. 16 no.3:29-30 My-Je '61. (MIRA 14:7)

1. Kafedra vysshey geometrii i topologii Moskovskogo universiteta.
(Topology)

PROIZVOLOV, V.V.

Bicomplete T_1 -spaces. Vest. Mosk. un. Ser.1 : mat., mekh. 16
no.6:17-18 N.-D '61.
(MIRA 14:11)

I., Kafedra vysshey geometrii i topologii Moskovskogo
universiteta.

(Topology)

PROIZVOLOV, V.V. (Moskva)

Continuous one-to-one mappings of topological spaces.
Mat. sbor. 68 no.3:417-431 N '65.

(MIRA 18:11)

PROIZVOLOV, V.V.

Open mappings of finite multiplicity. Dokl. AN SSSR 166
no.1:38-40 Ja '66. (MIRA 19:1)

1. Moskovskiy gosudarstvennyy universitet. Submitted May 7,
1965.

PROIZVOLOV, V.V.

Dividing mappings of locally connected spaces. Dokl. AN SSSR
159 no.3:516-518 N '64
(MIRA 18:1)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
Predstavлено академиком P.S. Aleksandrovym.

PROIZVOLOV, V.V.

Condensations on Euclidean spaces. Dokl. AN SSSR 151 no.6:1236
1287 Ag '63. (MIRA 16:10)

1. Predstavлено академиком P.S.Aleksandrovym.

PROIZVOLOV, V.V.

One characteristic property of open simple arcs. Vest.Mosk.un.
Ser.Mat., mekh., astron., fiz., khim. 14 no.5:49-51 '59.

(Curves)

(MIRA 13:8)

PRGIZVOLOV, V.V.

One-to-one mappings on metric spaces. Dokl. AN SSSR 158 no.4:
788-789 O '64.
(MIRA 17:11)

1. Moskovskiy gosudarstvennyy universitet. Predstavлено akademikom
P.S. Aleksandrovym.

ACCESSION NR: AT4006716

S/3043/63/000/002/0174/0181

AUTHOR: Krylov, A. L.; Proizvolova, Ye. K.

TITLE: Numerical study of flow between two rotating cylinders

SOURCE: Moscow. Universitet. Vyчислител'nyy tsentr. Sbornik rabot, no. 2, 1963, Chislennyye metody v gazovoy dinamike, 174-181

TOPIC TAGS: viscous incompressible flow, flow between rotating cylinders, flow equation numerical solution, finite difference approximation, successive approximation method, flow stability, axisymmetric flow, viscous flow, incompressible fluid, viscous incompressible fluid, viscous flow, incompressible flow, curved flow, recurrence formula

ABSTRACT: The authors have calculated the behavior of a streamlined flow of a viscous incompressible fluid between coaxial cylinders of infinite height, rotating at angular velocities Ω_1 and Ω_2 , in relation to definite relationships between Reynold's numbers Re_1 and Re_2 . The flow is assumed to be periodic in relation to height and asymmetric. The phenomena discussed occur within the Reynold's number range of 100 to 200. The problem was postulated in such a manner that the Reynold's number was governed by the non-dimensional viscosity factor \mathcal{V} . The authors attempted to clarify the periodic patterns possible at a fixed Reynold's

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number ($\nu = 1/200$) and, particularly, to establish the presence of more intensive frequencies in a spectrum component which is unstable with respect to infinitely small turbulences. Calculations were made for the variants:

$$\nu = \frac{l}{200}; \quad H = l, 2l, 4l, \quad \left(l = \frac{\pi}{3.2} \right)$$

Results are illustrated by several graphs (see Figs. 1, 2, 3 and 4 in the En-closure). "In conclusion, we express our gratitude to I. M. Gel'fand, whose in-fluence and participation were evident in originating theoretical solutions to problems on the stability of flow of viscous fluids, as well as to S. B. Mostinskaya and Yu. Gormatyuk for their participation in programming." Orig. art. has; 4 graphs and 9 formulas.

ASSOCIATION: Vy*chislitel'ny*y tsentr MGU (Computer center, Moscow State University)

SUBMITTED: 00

DATE ACQ: 16Dec63

ENCL: 04

SUB CODE: A1

NO REF Sov: 003

OTHER: 001

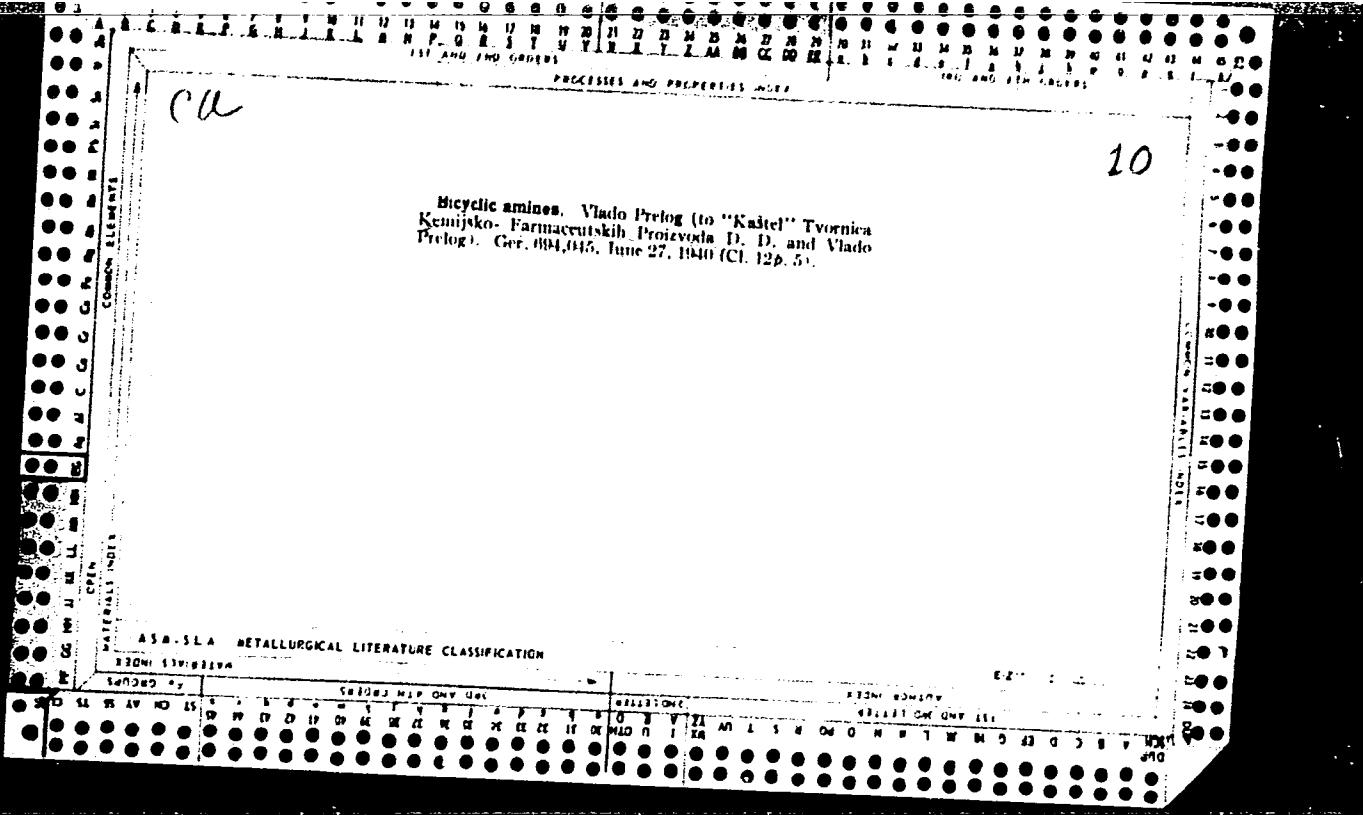
2/6 ~~2~~

Card

Prony, P.

The spectrum of ammonia and its variations observed in
the laboratory. P. Prony. Tien Wen Hsueh Pao 6,
63-9(1958). Studies of the variation of the spectrum of
NH₃ under various conditions indicated that the spectral
lines form groups, the appearance of which depends
upon the intensity of excitation. The spectrum obtained
under low pressure and weak excitation is of great interest in
astrophysics. The ultraviolet, visible, and infrared region
of the emission spectrum of NH₃ are discussed separately.
The wave-length detns. are made up to 8000 Å. J. C. Y.

3



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soobshch. 92 i. n. nazarov i l. v. fisher. terogruppirovka 1, 3 - duggovoy sistemy.
v. neoratimya izomerizatsiya 5-renil - 1,3 - eksadien-b-ola v 5-renil-2-4-
eksadien-1-ol.- soobsnen. 93. i. n. nazarov i n. b. kuvarzina. trizocetinane
islansuogo vodoroda k allilizopropenilketonu. soobsnen. 94. i. n. nazarov, l. b.
bergelson, l. i. shmonina i l. n. terekhova. sintez. politsiklicheskih sostineniy,
kodstvennykh steroidam. iii. tolnyy sintez soedineniy oskletonom androstana i ikh
strukturnykh izomerov s metilitsiklopentanovym koletsom v. izvestiya akad. nauk.
sssr, chd-nie. kim. nauk. 1949, no. 4, s. 300 - 95, 439 - 42 -- slobodz: s. boy, 395.

SU: LETOPIS No. 34

PROIZVODSTVO, Stali

USSR (600)

Technology

Production of steel, Sverdlovsk-Moskve, Metallurgizdat, 1951.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

PROIZVOLOV, V.

GAL'PERN, S.A. (Moskva); LOPSHITS, A.M. (Moskva); BALK, M.B. (Smolensk);
ZHAROV, V.A. (Yaroslavl'); BYAKIN, V.I. (L'vov); ARHOL'D, V.I.
(Moskva); MANIN, I.Yu. (Moskva); DYMKIN, Ye.B. (Moskva); PROIZ-
VOLOV, V. (Moskva); ALEKSANDROV, A.D. (Leningrad); VITUSHKIN, A.G.
(Moskva).

Problems of elementary mathematics. Mat. pros. no.3:267-270 '58.
(Mathematics--Problems, exercises, etc.) (MIRA 11:9)

PROIZVOLOV, V.V.

Some uses of D^2 space in general topology. Usp. mat. nauk 18
no.6:217-218 '63.
(MIRA 17:3)

The electrical transport of an active deposit of radium in some organic liquids. Z. Klemensiewicz and A. Projekt. *Zeszyty Phys. Polonica* 2, 403-10 (Lublin, French).—Solutions of Rn in hexane, benzene, toluene, Et₂O, acetone and EtOH were placed in an elec. field and the active deposit upon the electrodes was detd. by measuring the decrease of activity with time. To some of the solns. org. acids, bases and salts were added and the resulting mixt. was analyzed in the same way. The results reveal that the active deposit behaves differently than in air or H₂O. The curves for the anode and the cathode are similar and vary little with the nature of the liquid. The abs. units on the electrodes decrease with the rise of the dielec. const. and the viscosity coeff. of the liquid. J. W. Gandy.

ASG-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120003-4"

PROK, A.Yu.

Intensity of polarized reflected light as a function of the
angle of incidence. Izv.vys.uch.zav.; fiz. no.4:180-181 '62.

1. Dal'nevostochnyy gosudarstvennyy universitet.
(Polarization (Light)) (MIRA 15:9)

PROK, A.Yu.

Determination of the Curie point by the use of the vibration galvanometer. Izv.vys.ucheb.zav.; fiz. no.1:175 '62. (MIRA 15:6)

1. Dal'nevostochnyy gosudarstvennyy universitet.
(Curie point) (Galvanometer)

PROK, Aleksandr Yudimovich;

KUZ'MIN, Petr Alekseyevich; PROK, Aleksandr Yudimovich; UDAL'TSOV, A.N.,
glavnnyy red.; TOLCHINSKIY, Ye.M., inzh.red.

[Device for determining the specific weight of gases. Resistance
thermometer for taking the temperature of surfaces] Pribor dlia
opredeleniya udel'nogo vesa gazov. Termometr soprotivleniya dlia
izmerenija temperatury poverkhnosti. Moskva, In-t tekhniko-
ekon.inform., 1956. 9 p. (Pribory i stendy. Tema 4, no. P-56-447)
(MIRA 11:2)

1. Moscow. Institut tekhniko-ekonomiceskoy informatsii.
(Gases--Measurement) (Thermometers)

PROK, A. Yu.

"The Computation of Winter Solar Radiation in the Thermo-
technical Design of Enclosures in the Southern Part of the Far
East." Cand Tech Sci, Sci Res Inst of Construction Engineering,
Acad of Architecture USSR, Moscow, 1955. (KL, No 8, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institu-
tions (14)

SHEKHTMAN, Aron Isaakovich; ERLIKH, Moisey Davidovich; PROK, Boris
Mikheylovich; TSARENKO, A.P., red.; KHITROV, P.A., tekhn.red.

[Promoting the efficiency of freight transportation; from the
practice of economic councils and railroads] Opyt ratsionali-
zatsii perevozok gruzov; iz praktiki sovnarkhozov i zheleznykh
dorog. Moskva, Gos.transp.zhel-dor.izd-vo, 1959. 55 p.

(MIRA 12:7)

(Freight and freightage)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120003-4

PROK, I.

AMIROV, A.; ALIBEKOV, B.; KABANOV, B.; SOSNOV, K.; PROK, I.; BAYRAMOV, M.

Regarding an article published in "Neftianik." Azerb. neft. khoz.
36 no.6:36 Je '57. (MLRA 10:9)
(Oil well pumps)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120003-4"

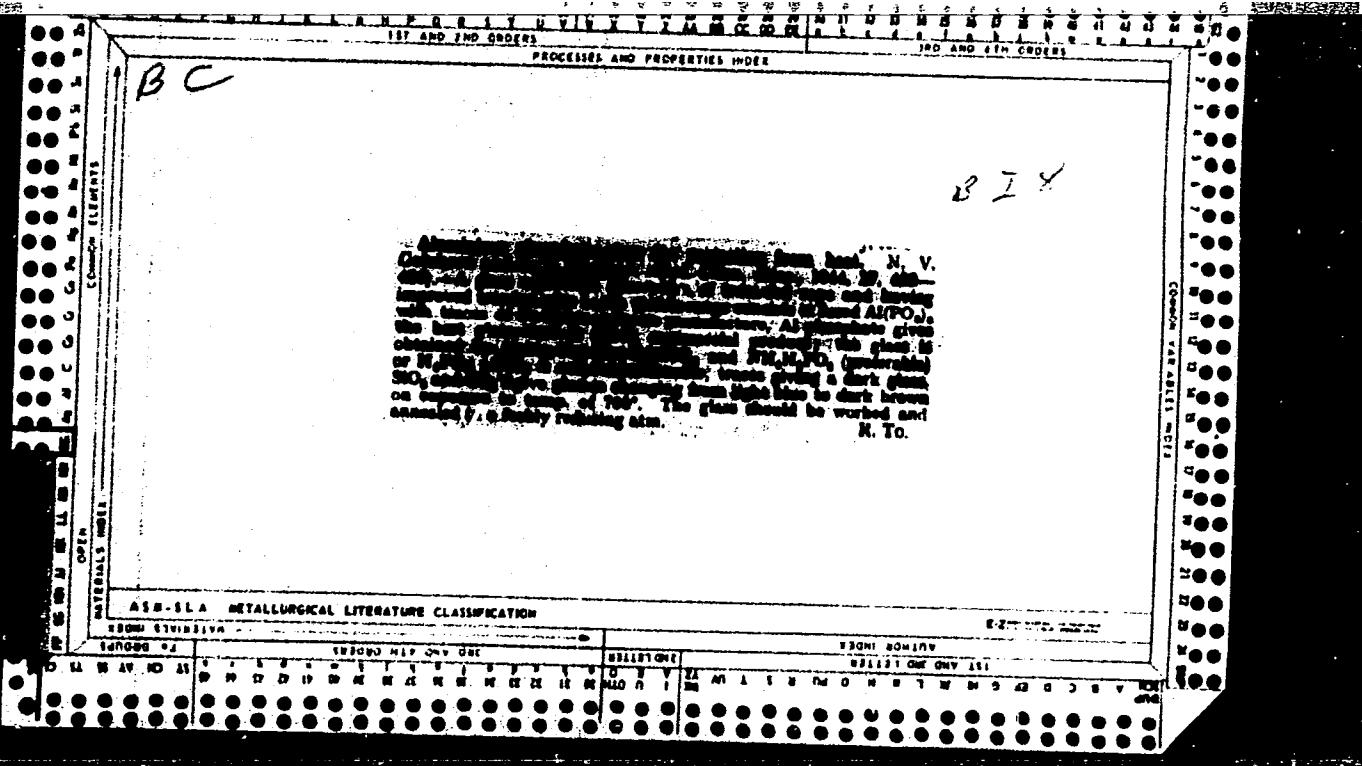
PROK I. M.

Heat-insulating phosphorus-aluminum glass. N. V. COLOZINA
AND I. M. PROK. Zhur. Priklad. Khim. 17 (7-8) 422-26(1944).-
A new composition of heat protecting glass of high chemical
stability to water and acids was developed. Raw materials were
selected, and the undesirable influence of some admixtures and
especially of TiO_2 was examined. An operating process of glass-
making was worked out and sent to the glass plant.

CA
PURIFYING EFFECT OF CULLET CONTAINING ARSENIC AND ANTIMONY
I. M. Prok and L. B. Polyakova. *Otkhod-Merkhan. Prom*
No. 10, 1-7 (1980). - Arsenic and Sb present in cullet
completely preserve their purifying effects. These prop-
ties are observed in the temp. range which promotes the

dissooc. of As_2O_3 and Sb_2O_3 and the sepn. of oxygen. It
is possible to replace the poisonous As_2O_3 by a nonpoisonous
siliceous As melt. A method of purifying is suggested,
based on the introduction of As and Sb not into the
batch in the form of trioxides of As and Sb, but directly
into the batch in the form of glass of a similar compn.
rich in As and Sb. The introduction of such a concentrate
changes the compn. of bubbles in the glass mass, enriching
them with oxygen, increasing the sizes of bubbles and hence
promoting their elimination from the melt. Such a change
of bubble compn. shows the chem. effect of the fining
agents used, as contrasted with the phys. effect produced
by the "bubbling" lumps of As. The behavior of tri-
oxides of As and Sb is not always identical in different
glasses. An As concentrate purifies the borosilicate glass
L-14 better than the flint glass L-S. M. V. Condoide

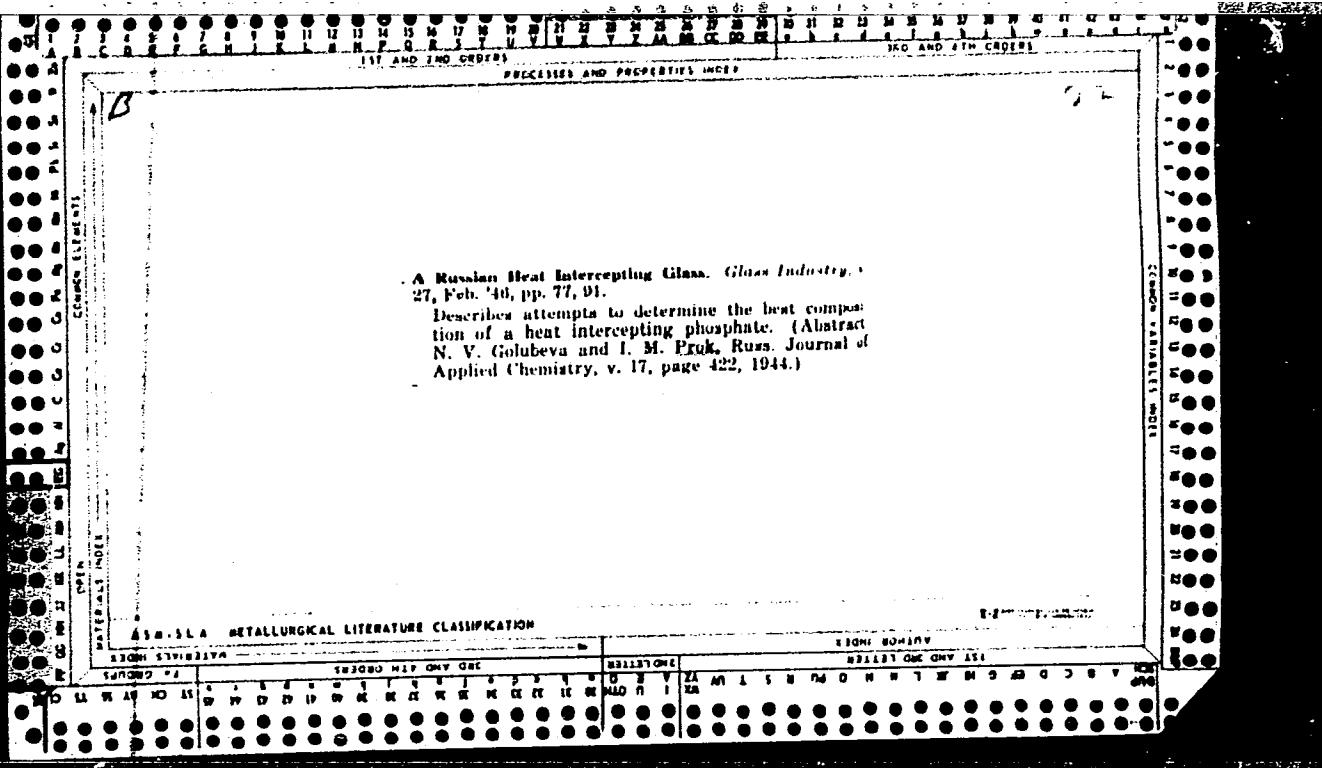
ASW SLA METALLURGICAL LITERATURE CLASSIFICATION



A.E.S

SECRET

Heat-insulating phosphorus-aluminum glass. N. V. GORDEYEV AND I. M. PRIGOV. *Zhur. Priklad. Khim.*, 17 [7-8] 422-26 (1944).²² A new composition of heat-protecting glass of high chemical stability to water and acids was developed. Raw materials were selected, and the undesirable influence of some admixtures and especially of FeO_2 was examined. An operating process of glazemaking was worked out and sent to the glass plant.



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Aluminum phosphate glass for absorbing infrared radiation. N. V. Golubeva and I. M. Prok. *J. Applied Chem. (U.S.S.R.)*, 17, 422-6 (1944). A new variety of glass (designated IK-4) combines excellent absorption of infrared with a high degree of transparency to visible light and good resistance to moisture. The chemical analysis data for the glass are reported as P_2O_5 76.08%, Al_2O_3 19.63%, Fe_2O_3 1.67%, although the Fe is present in the ferrous state. The quality of the glass depends on the proper selection of raw materials, namely $Al(OH)_3$, either Na_2AlPO_4 or Al metaphosphate, and FeO . The most troublesome impurities are TiO_2 , SO_3 , and SiO_2 . The mixed raw materials are briquetted and fused at 1450-1500°, care being taken to maintain a reducing atm., which is needed to convert the Fe from the ferric to the ferrous state. The glass cannot be worked conveniently by usual glass-blowing methods, as it becomes too fluid at high temps. and tends to crystallize at somewhat lower temps. The glass is best fashioned into various forms by casting at 1450° and then annealing at 650-680°. If the glass is held at 1280-1380°, it tends to crystallize, while at 730-800° it darkens, owing to oxidation of the Fe to the ferric state.

J. W. Petty

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ASR-1A METALLURGICAL LITERATURE CLASSIFICATION

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CIA-RDP86-00513R001343120003-4"

TROITSKIY, Vitaliy Feodosovich; PROK, I.Yu., red.; RASHEVSKAYA,
T.A., red. izd-va; TOROSYAN, R., tekhn. red.

[Operation of deep well pumps under complicated exploitation
conditions] Rabota glubinnonasosnoi ustanovki v oslozhnennykh
usloviakh ekspluatatsii. Baku, Azerbaidzhanskoe gos. izd-
vo, 1962. 83 p. (MIRA 15:8)
(Oil wells--Equipment and supplies)
(Pumping machinery)

PROK, I.Yu.

Ways of improving the exploitation of sand producers in pumping.
Azerb. neft. khoz. 39 no.2:24-27 F '60. (MIRA 14:8)
(Sand)

AMIROV, A.D.; ABDULLAYEV, A.A.; BEKHBUTOV, V.G.; KULIYEV, I.Sh.; PROK,
I. Yu.

Present status and prospects for the development of automation
of petroleum production processes in Azerbaijan fields. Azerb.
neft.khoz. 38 no.12:18-21 D'59. (MIRA 13:10)
(Azerbaijan--Oil fields--Production methods) (Automatic control)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120003-4

PROK, I.Yu.

Probable effectiveness of screen pipes and method for estimating it.
Trudy AnNII DN no.10:423-441 '60. (MIRA 14:4)
[redacted] (Filters and filtration)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120003-4"

~~PROK, Iosif Yudimovich; KAUFMAN, V.P., redaktor; AL'TMAN, T.B., redaktor~~
~~izdatel'stvo~~

[Determination of the economic efficiency of new engineering practices
in the petroleum industry] Opredelenie ekonomicheskoi effektivnosti
novoi tekhniki na neftianykh promyslakh. Baku, Azerbaidzhanskoe gos.
izd-vo neft.i nauchno-tekhn.lit-ry, 1957. 39 p. (MLRA 10:9)
(Petroleum engineering)

PROK, I.Yu.; BAGDASAROV, V.G., professor, redaktor; KHASIN, L.N.,
tekhnicheskiy redaktor

[Problems in the effective operation of oil wells] Voprosy ratsional'-
noi eksploataatsii neftianykh skvazhin. Baku, Gos. nauchno-tekhn. izd-
vo naftianoi i gorno-toplivnoi lit-ry, Azerbaidszanskoе otd-nie, 1950.
135 p. [Microfilm]
(Petroleum industry--Equipment and supplies)

PROK, I. YU.

Practical Handbook on the Exploitation of Wells for Foremen. Gostoptekhizdat, 1954, 340 p, price: rubles 8.70. Advice on problems of bringing under control and exploiting wells. Ways of recovering oil: flowing, compression and plunger. Exploitation of double and triple series wells; separate exploitation of two formations in one well; secondary recovery, deep measurements and setting up correct production routine (regime). Considerable

So: A- 3080689

PROK, I.Yu.; LAVRUSHKO, P.N., redaktor; ASADOV, I.M., redaktor;
PERSHINA, Ye.G., redaktor; POLOSINA, A.S., tekhnicheskij
redaktor.

[Practical manual on the operation of oil wells for oil
field foremen] Prakticheskoe rukovodstvo po ekspluatatsii
skvazhin dlia masterov po dobache nefti. Moskva, Gos.
nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry,
1954. 339 p. (MIRA 7:12)
(Petroleum--Pumping)

PROK, Iosif Yudimovich; BROYDE, I.M., red.; LATUKHINA, Ye.I., vedushchiy
red.; POLOSIHA, A.S., tekhn.red.

[Lowering the cost and increasing labor productivity in petroleum
production; practice of Azerbaijan petroleum workers] Snizhenie
sebestoimosti i povyshenie proizvoditel'nosti truda v dobyche nefti;
opyt neftianikov Azerbaidzhana. Moskva, Gos.nauchno-tekhn.izd-vo
neft. i gorno-toplivnoi lit-ry, 1960. 82 p. (MIRA 13:9)
(Azerbaijan--Petroleum industry--Costs)

LAVRUSHKO, P.N., red.; PROK, I.Yu., red.; SAAKOV, M.A., red.;
PETROVA, Ye.A., vedushchiy red.; POLOSINA, A.S., tekhn.red.

[Mechanization and organization of underground repair of
wells; materials of the all-Union conference] Mekhanizatsiya
i organizatsiya podzemnogo remonta skvazhin; materialy vse-
sciuznogo soveshchaniya. Moskva, Gos.nauchno-tekhn.izd-vo
neft. i gorno-toplivnoi lit-ry, 1959. 199 p. (MIRA 13:2)

1. Soyuz rabochikh neftyanoy i khimicheskoy promyshlennosti.
TSentral'nyy komitet. 2. Nachal'nik podotdela Otdela po sov-
narkhozam Povolzh'ya Gosplana RSFSR (for Lavrushko). 3. Zamesti-
tel' zaveduyushchego otdela truda i zarabotnoy platy TSentral'nogo
komiteta profsoyuza robotnikov nefte-khimicheskoy promyshlennosti
(for Saakov).

(Oil wells--Equipment and supplies)

PROK, V.Yu., inzhener.

Utilizing waste products in forging and pressing shops at the Gor'kiy
Molotov Automobile Plant. (In: Ryshkov, D.A., ed. *Ekonomika metallov*
v kuznachno-shtampovochnom proizvodstve. Moskva, 1953, p.269-274.)

(MLRA 7:1)

(Forging) (Punching machinery)

PROK, V.Yu.

Renovation of the Gorkiy Automobile Plant. Mashinostroitel'
no.4:20 Ap '60. (MIRA 13:6)

1. Nachal'nik otdela proyektnogo upravleniya Gor'kovskogo
avtomobil'nogo zavoda.
(Gorkiy--Automobile industry)

L 44344-66 EWT(d)/T IJP(c) GD

ACC NR: AT6009817

SOURCE CODE: UR/0000/65/000/000/0182/0190

AUTHORS: Ugodchikov, A. G.; Prok, Ye. V.

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ORG: none

2

TITLE: The construction of conformal mapping functions with the aid of Lagrangian interpolation polynomials, using an electronic computer

SOURCE: Seminar po metodom matematicheskogo modelirovaniya i teorii elektricheskikh tsepey. Matematicheskoye modelirovaniye i teoriya elektricheskikh tsepey (Mathematical modeling and the theory of electrical circuits); trudy seminara, no. 3. Kiev, Naukova dumka, 1965, 182-190

TOPIC TAGS: computer technique, computer program, computer application, analog computer, electronic computer, conformal mapping, interpolation, polynomial solution

ABSTRACT: A method has been proposed for constructing mapping functions (MF) (A. G. Ugodchikov, V. kn.: Materialy nauchnykh seminarov po teoreticheskim i prikladnym voprosam kibernetiki. K., 1963 3, 5, 3). The approximate MF expression is constructed with the help of a Lagrangian interpolation polynomial. It is applicable to singly connected and finite doubly connected regions; the MF is a polynomial. At the interpolation point the calculated coefficients of this polynomial agree with the value of the MF. Examples of the application of this method when using an

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ACC NR: AT6009817

electronic computer both with and without electric analog formulation for the selection of null approximations are discussed. The precision of the interpoint mapping can be increased by either increasing the number of terms of the interpolation polynomial or by constructing successive approximations. One technique of using the analog does not require complex instruments and gives sufficient precision without using excessive computer time. The analog formation, however, requires more time than the computation, and it is helpful to use the analytical device developed by Ugodchikov to construct the MF. The success of the mapping depends on the correct choice of the number of initial points. The use of the electric analog formulation instrument EGDA-6 is mentioned. After the initial mapping image is adjusted, the MF can be refined, and the number of terms in the polynomial can be reduced. When no analog formulation is used, the computer operation time is increased 150—300%. Orig. art. has: 4 equations and 6 figures.

SUB CODE: 12, 09/ SUBM DATE: 26Jan62/ ORIG REF: 009

Card 2/2 blg

PODOL'SKAYA, I.A., uchitel' nitsa geografii; PROKA, V.Ye. (Mishinev);
PODOSINKIM, V.N.; MIRKHAZOV, G.G., uchitel' geografii

Editor's mail. Geog. v shkole 25 no.4:63-65 Jl-Ag '62.
(MIRA 15:8)
1. 1-ya shkola imeni Pushkina, g. Berezniki (for Podol'skaya).
2. 5-ya shkola g. Ishimbay (for Podosinkin). 3. Burayevskaya
odinnadtsatiletnaya shkola Bashkirskoy ASSR (for Mirkhazov).
(Geography—Study and teaching) (School excursions)

L 15514-66

ACG NR: AT6007471

SOURCE CODE: HU/2505/65/026/00X/0062/0063

AUTHOR: Prokai, A.; Karady, I.

ORG: Institute of Pathophysiology, Medical University of Szeged, Szeged (Szegedi Orvostudomanyi Egyesum, Koreltanitani Intezet)

TITLE: Role of the gonads in the sensitivity of male guinea pigs to serotonin and histamine aerosols [This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to 4 July 1964]

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, Supplement, 1965, 62-63

TOPIC TAGS: gland, serotonin, experiment animal, amine, hormone, endocrinology, histamine

ABSTRACT: The biogenic amines (e.g., histamine, serotonin, etc.) are known to play an important role in some pathological conditions (e.g., allergy). The present study investigated how the resistance to serotonin and histamine would be influenced by the gonads, by treatment with gonadotropic hormone and with the nor-steroid inhibiting

Card 1/2

L 15514-66

ACC NR: AT6007471

gonadotropic hormone secretion of the anterior pituitary. It was also studied whether the resistance developed to histamine was paralleled by the changes in the serotonin resistance of the animals. The results indicate that testosterone or estradiol treatment diminished the resistance to shock produced by serotonin or histamine inhalation while bilateral orchectomy and epididymectomy as well as treatment with exogenous chorionic gonadotropin enhanced the resistance to serotonin and histamine. The resistance to serotonin or histamine aerosol diminished following substitution testosterone treatment or in response to treatment with the nor-steroid inhibiting gonadotrophic hormone secretion of the anterior pituitary in the castrated animals. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 2/2

PRÓKAI, A.

277. Effect of vitamin B₁ on changes due to chronic adrenaline treatment. Gy. Fekete and A. Prókai *Acta physiol. Acad. Sci. Hung.*, 1954, 6, 41-46.—Adrenaline (80 µg./100 g. body wt./day) causes growth retardation and changes in organ wt. in growing rats. Food intake is also depressed. When 4 mg./100 g. body wt./day thiamine was given simultaneously, the only effect of this chronic thiamine administration was a diminution of thymus atrophy caused by adrenaline. A. B. L. HERNAK.

HD

(1)

FILEV, Dmitriy Sidorovich [Filev, D.S.], PEOKAPALO, Ivan Sidorovich, kand. sel'-khoz. nauk; ZADONTSEV, A.I., akademik, zasl. deyatel' nauki Ukrainskoy SSR, red.; LIVENSKAYA, O.I. [Livens'ka, O.I.], red.; GLUSHKO, G.I. [Hlushko, H.I.], tekhn. red.

[Tillage and corn sowing] Obrobitek hruntu ta sivba kukurudzy. Dnipropetrovs'k, Dnipropetrovs'ke knyzhkovye vyd-vo, 1961. 15 p.

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Filev); ~~2. Director~~ Vsesoyuznogo nauchno-issledovatel'skogo instituta kukurudy i Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Zadontsev).

(Ukraine—Corn (Maize))

PROKAPALO, I.S., kand. sel'khoz. nauk; TREGUBENKO, M.Ya.
[Trehubenko, M.IA.], kand. sel'khoz. nauk; ARTYUKHOV,
Y.K., kand. sel'khoz. nauk; KRYACHKO, P.G.[Kriachko,
P.H.], st. nauchn. sotr.; MAKODZEBIA, I.O., kand. sel'-
khoz. nauk; SIDENKO, I.O., kand. biol. nauk; SUSIDKO,
P.I., kand. biol. nauk; REPIN, A.M.[Riepin, A.M.], kand.
sel'khoz. nauk; LOGACHOV, M.I.[Lohachov, M.I.], kand.
sel'khoz. nauk; OSTAPOV, V.I., kand. sel'khoz. nauk;
ZAFOROZHCHENKO, O.L., kand. sel'kh.nauk; FLYAGIN, A.D.[Fliashin, A.D.],
kand. ekon. nauk; KANIVETS', I.D., st. nauchn. sotr.;
SKRIPNIK, P.S.[Skrypryk, P.S.], red.; GULENKO, O.I.
[Hulenko, O.I.], tekhn. red.

[Advanced practices in growing corn] Perekovy metody vy-
roshchuvannia kukurudzy. 2., perer. i dop. vyd. Kyiv,
Derzhsil'hospvydav, UkrSSR, 1962. 231 p. (MIRA 17:1)

PROKAPALO, I.S., kand.sel'skokhozyaystvennykh nauk

Agricultural engineering in crop raising. Nauk i zhyttia 9
no.3:35-37 Mr '59. (MIRA 12:4)
(Corn (Maize))

PROKAPALO, O.I., FESENKO, Ye. G.

"Isomorphous Mixtures of Barium Titanate With Barium Ferrate,"
by Ye. G. Fesenko and O. I. Prokapalo, Scientific Research
Physicomathematical Institute, Rostov State University imeni
V. M. Molotov, Kristallografiya, Vol 1, No 6, Nov/Dec 56, pp
703-707

The structure and dielectrical properties of BaTiO₃ - BaFeO₃ mixtures depending on the BaFeO₃ content were investigated within the range of 0-5% of BaFeO₃. A qualitative difference between the dielectric properties of mixtures containing less than 3% of BaFeO₃ and mixtures containing more than 3% of BaFeO₃ was found to exist. It was established that at a low Fe content the seignettelectric properties of BaTiO₃ are retained, but the temperatures of the phase transitions are displaced towards lower temperatures. This is contrary to the assumption previously made by the authors that in ideal BaFeO₃ with a perovskite structure a seignettelectric phase transition ought to take place at a lower temperature than in BaTiO₃. The explanation given is that the quadrivalent Fe ion is apparently unstable, and that Fe enters into the BaTiO₃ lattice in the form of trivalent ions. As a result of this, the Curie point is lowered.

SUM. 1287

L 52095-65 ENT(1) PI-4 IJP(c)

ACCESSION NR: AP5015261

UR/0286/65/000/009/0043/0043

16

8

AUTHORS: Prokator, L. M.; Ravkind, L. B.

TITLE: A method for preparing photosensitive layers. Class 21, No. 170584

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1965, 43

TOPIC TAGS: photosensitivity, cadmium compound, copper, luminophor

ABSTRACT: This Author Certificate presents a method for preparing photosensitive layers of cadmium selenide activated with copper in the presence of 5-10% of cadmium chloride used as a smoothener. The layers are deposited from a solution onto a glass base and are subsequently dried and baked. To simplify the process and to increase the effectiveness of the luminophor, the deposition of the layer

is conducted for 10-20 minutes out of an 8-10% solution of calcium chlorite. After the activator content of 10^{-5} - 10^{-6} weight percent after the cleared liquid is removed with, say, a siphon. Drying is carried out at the temperature of 100-120C, and baking at 480-550C for 20-40 minutes.

ASSOCIATION: Predpriyatiye gosudarstvennogo komiteta po oboronnoy tekhnike SSSR
(Enterprise of the State Committee on Defense Technology, SSSR)

Card 1/2

L 52095-65

ACCESSION NR: AP5015261

SUBMITTED: 14Feb64

ENCL: 00

SUB CODE: GC,OP

NO REF SOV: 000

OTHER: 000

0

RJW
Card 2/2

PROKAY, Adam

Individual means of breathing protection and their selection.
Munkavedelem 10 no.10/12;3-12 '64.

1. Scientific Research Institute of Labor Protection of the
Central Council of Hungarian Trade Unions, Budapest, and
Responsible Editor, "Munkavedelem."

PROKAY, Adam; TOTH, Lajosne

Social problems of industrial noise. Munkavedelem 7
no.4/6:1-5 '61.

1. Szakszervezetek Orszagos Tanacsa Munkavedelmi
Tudomanyos Kutato Intezete.

PROKAY, A.

Methods for preventing silicosis among workers employed in
quarries, pits, and mines. Gig. i san. 26 no.9:70-75 S '61.
(MIRA 15:3)

l. Direktor Nauchno-issledovatel'skogo instituta okhrany
truda TsSPSVengrii, Budapest.

(LUNGS--DUST DISEASES)
(MINE DUSTS--SAFETY MEASURES)

PRCKAY, P.

Dimensional changes of roller bearings caused by natural or artificial aging.
(To be contd.) p.433

KOHASZATTI LAPOK. (Magyar Banyaszati es Kohaszati Egyesulet)
Budapest, Hungary
Vol. 13, no.9, Sept. 1958

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.7, July 1959
Uncl.

PRKAY, P.

Dimensional changes of roller bearings caused by natural or artificial aging.
p.501

KOHASZATI LAPOK. (Magyar Bányászati es Kohászati Egyesület)
Budapest, Hungary
Vol. 13, no.10/11. Oct./ Nov. 1958

Monthly List of East European Acquisitions (EEAI) LC., Vol. 8, no.7, July 1959
Uncl.

NEMETH, Lajos; PROKAY, Pal

Experiments in producing crankshafts of spheroidal graphite
cast iron. Koh lap 95 no.5: ~~Supply & Trade.~~ 13 no.5: 104-109

My '62.

1. Jarmufeljlesztesi Intezet.

Distr: 4E2c

76. Dimensional changes of antifriction bearings at natural and artificial ageing. P. Prilekay. Merys is Avtomatika. Vol. 5, 1957, No. 4, pp. 140-152, 20 figs., 2 tabs.

One of the most decisive factors influencing the life of antifriction bearings is hardness or abrasion resistance

of the bearing parts. Special care should be taken to attain, besides the highest resistance to wear, an adequate crystal structure with the best physical properties (dimensional stability, toughness, etc.). According to experiences the most appropriate structure is fine needles of martensite or hardenite with a minimum remainder of austenite. The obtaining of such structure necessitates the solution of many problems. A short survey is given on the processes occurring during ageing and the results of measurements.

3
1

PROKAY, P.

Dimensional changes of roller bearings to hardening artificially and from
natural age.

P. 146. (MERES ES AUTOMATIKA) (Budapest, Hungary) Vol. 5, no. 4, 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

PROKHAVTILOV, V.G.

SKANAVI, G.I.; KSENDZOV, Ya.M.; TRIGUBENKO, V.A.; PROKHAVTILOV, V.G.

Relaxation polarization and losses in nonferroelectric
dielectrics having very high dielectric constants [with summary
in English]. Zhur.eksper. i teor.fiz. 33 no.2:320-324 Ag '57.
MIRA 10:10)

1. Fizicheskiy institut imeni P.N. Lebedeva AN SSSR.
(Dielectric constants) (Strontium titanates)
(Bismuth titanate)

PROKAI, A.

Effect of vitamin B₁ on changes due to chronic adrenaline treatment. Gy. Pekete and A. Prókai. (Med. Univ., Szeged). *Acta Physiol. Acad. Sci. Hung.*, 6, 41-6 (1954).— In the chronic treatment of young male rats with adrenaline vitamin B₁ inhibited only the thymus atrophy. Adrenaline reproduced only certain of the effects of cortisone. S. E.

PROKAI, A.

FEKETE, G.; PROKAI, A.

Effect of vitamin B₁ on changes due to chronic adrenalin treatment.
Acta physiol. hung. 6 no.1:41-46 1954.

1. Institute of Pathophysiology of the Medical University, Szeged.
(VITAMIN B₁, eff.
on epinephrine-induced changes in various organs in rats)
(EPINEPHRINE, eff.
on various organs in rats, inhib. by vitamin B₁)

PROKAI A.

FEKETE, Gyorgy; PROKAI, Andras

Effect of vitamin B1 on organ changes due to prolonged adrenaline administration. Kiserletes orvostud. 6 no.5:426-430 Sept 54.

1. Szegedi Orvostudomanyi Egyetem korelettani Intezete.

(EPINEPHRINE, eff.

on various organs in rats, inhib. by vitamin B1)

(VITAMIN B1, eff.

inhib. of epinephrine eff. on various organs in rats)

PROKAPALO, IVAN SEMENOVICH
FILEV, Dmitriy Sidorovich; PROKAPALO, Ivan Semenovich

[Corn in Dnepropetrovsk Province] Kukurudza na Dnipropetrovshchini.
[Dnepropetrovsk] Dnipropetrovskie obl.vyd-vo, 1956. 1v. (MLRA 10:6)
(Dnepropetrovsk Province--Corn (Maize))

PROKAEV, V.I.

PROKAEV, V.I. Vremena goda srednego Zavolzh'ia. (Geografiia v shkole, 1948, no. 5, p. 23)

DLC: Unclassified

SO: LC, Soviet Geography, Part I¹, 1951, Unclassified

PROKAYEV, V. I.

PROKAYEV, V. I. - "Physical Geographic Character of the Eastern Part
of Samarskaya Luka." Sub 12 Dec 52, Inst of Geography, Acad Sci USSR.
(Dissertation for the Degree of Candidate in Geographical Sciences).

SO: Vechernaya Moskva January-December 1952

PROKAYEV, V. I.

USSR/ Geography - Physical geography

Card 1/1 Pub. 45 - 9/15

Author(s) : Prokayev, V. I.

Title : On the question of dividing territories into regions in accordance with physico-geographical features

Periodical : Izv. AN SSSR. Ser. geog. 5, 78 - 82, Sep - Oct 1954

Abstract : The principles by which territories may be divided into regions are discussed. Some of these mentioned are the flora, composition of the earth's crust, character of the landscape, etc. In dividing territories on the principle of the character of the landscape, the idea of "leading" characteristic is advanced. A careful analysis is made of the manner of choosing the leading characteristic. Twelve Soviet references (1946 - 1953).

Institution:

Submitted:

PROKAYEV, V.I.

The term "meander" and the boundaries of the Samara Bend. Izv.Vses.
geog.ob-va 86 no.3:261-264 My-Je '54. (MLRA 7:6)
(Samara Bend)

PROKAYEV, V.I.

Some problems in the method of dividing a region into physical
geographical districts. Inv. AN SSSR. Ser.geog. no.5:48-60
S-0 '55. (Physical geography) (MLRA 9:1)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120003-4

PROKAYEV, V.I.

Zhigulu. Geog. v shkole 18 no.1:21-32 Ja-F '55. (MLRA 8:3)
(Zhiguli Mountains)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120003-4"

✓ 8.5-148

Prokaev, V. I., Termicheskie anomalii v dolinakh Zhigulevskikh gor. [Thermal anomalies in the valleys of Zhiguli Mountains.] Priroda, Moscow, 44(11):89-91, Nov 1955. 5 photos. DLC—During the course of a phenological survey through the Zhiguli Mountains, during the spring of 1950, the size of linden and maple leaves on mountain slopes did not vary with elevation or exposure but in the V-shaped valleys, the size of the bases was considerably smaller. The retardation of phenological phenomena in the Zhiguli mountain valleys is associated with a temperature inversion caused by the sinking of cold dense air from the mountain sides to the valleys and by cooling caused by snow accumulation. Photographs of the region showing the valleys and vegetation are reproduced. Subject Headings: 1. Temperature inversions 2. Phenological observations 3. Zhiguli Mountains, U.S.S.R. J.L.D.

551.566.8:551.524.4

PROKAYEV, V. I.

14-1-242

Translation from: Referativnyy Zhurnal, Geografiya, 1957, Nr. 1, p. 17 (USSR)

AUTHOR: Prokayev, V. I.

TITLE: Large-scale Topographical Zoning of the Eastern Part of the Samarskaya Luka (Opyt krupnomasshtabnogo landshaftnogo rayonirovaniya vostochnoy chasti Samarskoy Luki)

PERIODICAL: Vopr. Geografii, 1956, sbornik 39, pp. 185-195

ABSTRACT: Topographic zoning consisted of 3 phases: 1) preliminary zoning based on the study of topographic and special maps and on available records and cadastres; 2) complete topographic survey of the terrain; 3) final zoning. The zoning was carried out entirely according to a single system worked out by the author and based on A. A. Grigor'yev's system. The territorial units, mapped out according to this system, are characterized by a relative uniformity of their geographic environment, in the zonal as well as in the azonal sense. The principal criteria underlying the zoning were the geological and geomorphological features. The article describes the experience in zoning the eastern part of the Samarskaya Luka and show how and why certain parts of topographical zones were marked as within the boundaries of the Zhigulevskaya elevation which the author considers as being part of the topographical area. Three genetically different territories emerge as a result of the zoning: 1) a northern slightly raised part of elevation - the

Card 1/2

Large-scale Topographical Zoning of the Eastern Part of the Samarskaya Luka

14-1-242

Zhigulevskije Mountains; 2) a wooded plateau occupying the NE part
of the Zhigulevskoye Plateau; 3) a wooded steppe plateau in its
SW part.

Card 2/2

DEBSBAKH, N.K.; PROKAYEV, V.I.; YASTREBOV, Ye.V.

All-Ural conference on problems of dividing the Urals into
physical geography districts. Izv. Vses. geog. ob.-va. 88 no.4:
419-422 J1-Ag '56. (MLRA 9:10)

(Ural Mountains--Physical geography)

PROKAYEV, V.

"Samara Bend and the Zhiguli Mountains" by Emel'ianov. Reviewed
by V. Prokaev. Geog. v shkole 20 no.2:73-74 Mr-Ap '57.
(Samara Bend) (Emel'ianov, M.A.) (MLRA 10:4)

PROKAYEV, V.I.

GORCHAKOVSKIY, P.L.; PROKAYEV, V.I.

Organization of the Ural Branch of the Geographic Society of the
U.S.S.R. Izv.Vses.geog.ob-va 89 no.1:85-87 Ja-F '57. (MLRA 10:3)
(Geographical societies)

PROKAYEV, V.I., kand. geogr. nauk, dotsent

History of the establishment of physicogeographical regions
in the Urals. Zap.Ural fil. Geog. ob-va SSSR no.4:57-101 '61.
(MIRA 18:12)

PROKAYEV, V.I., kand. geogr. nauk, dotsent

Some work results of the Ural Branch of the Geographical Society of the U.S.S.R. during the period 1958-1960. Zap.
Ural fil. Geog. ob-va SSSR no.4:153-157 '61.

(MIRA 18:12)

PROKAYEV, V.I.

Considering man-made differentiation of natural conditions
in physicogeographical regionalization. Vest. Mosk. un.
Ser. 5: Geog. 20 no.5:47-54 S-O '65.

(MIRA 18:12)

1. Sverdlovskiy pedagogicheskiy institut. Submitted
May 15, 1964.

PROKAYEV, V. I.

Main types of differentiation of the geographical envelope in connection with a uniform method for physicogeographical regionalization. Izv. Vses. geog. ob-va 96 no. 2:124-129 Mr-Ap '64.
(MIRA 17:5)

PROKAYEV, V.I.; KOLESNIKOV, B.P.

Correlation between physicogeographical and specialized
natural regionalization. Izv. Vses. geog. ob-va 95 no.6:
486-495 N-D '63. (MIRA 17:1)

PROKAEV, V.I. [Prokayev, V.I.]

Types of natural regions and natural limits. Analele geol
geogr 14 no.2:134-144 Ap-Je '60.

PROKAYEV, V.I.; OLENEV, A.M.

Physicogeographical regionalization of Sverdlovsk Province
in connection with the regionalization of the Urals and Western
Siberia. Sib.geog.sbor. no.1:96-118 '62. (MIRA 16:2)
(Sverdlovsk Province—Physical geography)
(Siberia, Western—Physical geography)
(Ural Mountain region—Physical geography)

PROKAYEV, V.I., kand.geograficheskikh nauk

Nature in the south of the mountain belt of the Central Urals and
some problems in its conservation. Okhr.priroda Urala no.3:5-26
'62. (Ural Mountains—Conservation of natural resources)

PROKAYEV, V.I.

Altitude belts and the method of accounting for zonal differences
in the physicogeographical regionalization of mountain countries.
Izv.Vses.geog.ob-va 94 no.2:150-159 Mr-Ap '62. (MIRA 15:5)
(Ural Mountain regions—Physical geography)

PROKAYEV, V.I.; KOLESNIKOV, B.P.

Recent data on the distribution of some species and mixed forests with their participation in the south of the central Urals. Bot. zhur. 46 no.12:1814-1817 D '61. (MIRA 15:1)

1. Sverdlovskiy pedagogicheskiy institut i Komissiya po okhrane prirody Ural'skogo filiala AN SSSR.
(Ural Mountains--Forests and forestry)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120003-4

OLENEV, A.M.; PROKAYEV, V.I.

Division of Sverdlovsk Province into physicogeographical regions.
Vop. geogr. no.55:68-81 '61. (MIRA 15:1)
(Sverdlovsk Province--Physical geography)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120003-4"

PROKAYEV, V.I., kand.geograficheskikh nauk

Physicogeographical regions as a scientific basis for planning a
network of state preserves in the Urals. Okhr. prir. na Urale
no.1:125-140 '60. (MIRA 14:4)
(Ural Mountain region—National parks and reserves)

PROKAYEV, V.I. (Sverdlovsk)

Volga flood plain at the Samara Bend. Priroda 50 no.5:87-89 My
'61. (MIRA 14:5)
(Volga Valley--Alluvial lands)

PROKAYEV, V.I.

On the basic and smallest unit of physical geography. Izv.Vses.geog.
ob-na 93 no.3:238-246 My-Je '61. (MIRA 14:5)
(Landforms)

PROKAYEV, V.I.

Boundary line between Europe and Asia as related to characteristics
of major geographical units. Izv.Vses geog.ob-va 92 no.4:361-365
Jl-Ag '60. (MIRA 13:8)
(Europe--Boundaries) (Asia--Boundaries)

3(5)

SCV/12-91-2-2/21

AUTHOR: Prokayev, V.I.

TITLE: On the Theoretical Principles for the Geophysical
Division of the Urals Into Districts

PERIODICAL: Izvestiya vsesoyuznogo geograficheskogo obshchestva,
1959, Nr 2, pp 121-136 (USSR)

ABSTRACT: The author states that division of the geographical areas into latitudinal zones is based on a similarity of climatic conditions originating from uniform solar thermic radiations. Nevertheless, the irregular shape of the dry land and of the sea disturbs these latitudinal characteristics and introduces irregularities, such as division of the climate into a continental and a maritime, both of which are influenced by the sea and air currents and streams. Both divisions (zonal and non-zonal) have a natural background, and both result in mixed divisions according to human needs and activities.

Card 1/3